

NAPE – Electric Motors – Syllabus

ELECTRIC MOTORS – 30 HOURS		
Books-\$140.00 • Tax-\$10.00 • Tuition: \$951.00 • <u>Total \$1,101.00</u>		
Book: Motors 2 nd Edition		
Completion of the Principles of Electricity course is required. <i>This course will focus on single phase and three phase A/C motors. How motors start and run, electromagnetism, and practical applications of induction type, split phase and capacitor type motors will be covered. Basic English and Math skills required.</i>		
ELECTRIC MOTORS / F-212-AL		
10 Sessions	5:30 pm to 8:30 pm	Alexandria, VA Location
Wednesday, 9/11/2024 to 11/13/2024		Eduardo Ayala, Instructor

NAPE – Heat Pumps – Syllabus

HEAT PUMPS – 60 HOURS		
Books-\$228.00 • Tax-\$14.00 • Tuition: \$1,400.00 • <u>Total \$1,642.00</u>		
Book: Heat Pumps 2 nd Edition		
Completion of Principles of Electricity, Air Conditioning I and Air Conditioning II classes is required. <i>This course specifically covers heat pump operation cycle and efficiency, compressors and motor controls, refrigerant controls, reversing valves, air and water coils, defrosting cycles, supplemental heat, service and troubleshooting and wiring diagrams. Students may be advised to transfer to a lower-level course based on a pretest. Advanced English skills required.</i>		
HEAT PUMPS / F- -AL		
16 Sessions	5:00 pm to 8:00 pm	Alexandria, VA Location
Wednesday, 8/28/2024 to 12/18/2024		Jose Luis Villalobos, Instructor

NAPE – Plant Equipment & Operations – Syllabus

PLANT EQUIPMENT & OPERATIONS – 30 HOURS		
Books-\$147.00 • Tax-\$9.00 • Tuition: \$754.00 • <u>Total \$910.00</u>		
Book: Low Pressure Boilers 5 th Edition		
No pretest is required for this class. This course teaches the basic operation and maintenance of heating systems, air conditioning systems and auxiliary equipment. This 10-week course will also cover the preventive maintenance aspect of these systems. Course Curriculum Covers: Boiler operation and Air Conditioning systems - daily, monthly, and yearly preventive maintenance. Air handlers, pumps, towers, air compressors and other auxiliary equipment. Other topics include safety issues related to these systems and setting up preventive maintenance schedules for equipment.		
PLANT, EQUIPMENT & OPERATIONS / S-330-GR		
10 Sessions	5:00 pm to 8:00 pm	Greenbelt, MD Location
Monday, 11/25/2024 to 2/3/2025		Davon Maye, Instructor